

PDR RID Report

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Document PDR

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Review	FOS	
Originator Ref		ACK #03
Priority	2	

Section NA

Page NA

Figure Table NA

Category Name M&O

Actionee HAIS

Sub Category

Subject Non-AM-1 support

Description of Problem or Suggestion:

Realizing that the FOS development team had instructions to concentrate on AM-1, the following is nonetheless submitted to voice concerns expressed by several attendees.

The PDR seemed to concentrate on AM-1 support, with minimal attention to planning or designing capabilities or philosophies required specifically to support multiple spacecraft simultaneously, some of which may be operating in degraded modes or in other off-nominal conditions requiring more than nominally planned support.

Recognizing that the current PDR is for Release A and for AM-1 support, there may nonetheless be valid concern about the current design's capabilities to evolve to accommodate the needs of subsequent spacecraft. For example, the design as presented did not often allude to how specific sample displays or capabilities would accommodate (or might be modified to include) multiple spacecraft.

Although this is only Release A, it is Release A of a system designed from the outset to be evolvable to support multiple non-identical spacecraft and user needs, unlike most systems including those required to support spacecraft constellations of multiple but largely identical spacecraft. Presumably the capabilities needed for Release B, C, D, etc., are being planned for now in at least a general sense.

Considering how much of the PDR discussion and examples centered around AM-1 and its requirements, one wonders how significantly the design must be altered or expanded to support other EOS spacecraft, their requirements, and the currently undefined needs of their users.

Originator's Recommendation

Indicate to what extent the design provides capabilities to handle multiple spacecraft simultaneously, and demonstrate that the design accommodates EOS expansion as required, using sample (and simple) dummy data, requirements, representations, and characteristics for non-AM-1 spacecraft and users.

The operations presentation for the CDR should cover not only facilities and staffing but also some of these operational concerns.

GSFC Response by:

GSFC Response Date

HAIS Response by: D. Herring

HAIS Schedule 2/3/95

HAIS R. E. A. Miller

HAIS Response Date 1/24/95

Reference the response to RID PDR #12.

It is intended that the operations presentation at the CDR will be expanded to address how the FOT will utilize the capabilities of the FOS. However, this part of the presentation will focus on the AM-1 mission.

Status Closed

Date Closed 2/1/95

Sponsor Johns

***** Attachment if any *****